MONITOR WEATHER CONDITIONS FOR CLOUD SEEDING CONTROL

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Type I Progress Report for Period 4 and One-Half of Period 5 from January 1, 1973 to April 1, 1973

Prepared for:

Goddard Space Flight Center
Greenbelt, Maryland 20771

Publication authorized by the Chief, Division of Atmospheric Water Resources Management

Type I Progress Report
ERTS-A

a. Title: Monitor Weather Conditions for Cloud Seeding Control

ERTS-A Proposal No.: 642

b. GSFC ID No. of P.I.: IN 024

c. For the period from January 1, 1973, to March 31, 1973: There are no problems impeding the progress of this investigation.

d. During the above-stated period, all contractural matters were completed with Western Scientific Services, Inc. This firm is responsible for design, construction, operation, and maintenance of each platform system.

Work was completed on Platform No. 6241 in mid-March with the system being installed on March 23, 1973, on the summit of Wolf Creek Pass. A last-minute programing error temporarily prevented automatic access and scaling of the data. This was quickly corrected and a sample of the translated data is included in this report. The data files are stored on the CSS Time-Share System and are accessible to all who have need for the data. The basic NASA data format has been translated for rapid evaluation purposes. Included are the date, time of transmission, and a NASA data transmission quality code (C column). The Wolf Creek station is only transmitting data on two of the first five channels. Each channel has been scaled to the measurement units shown. The last three channels are system status channels. The TVO channel tests for zero offset in the analog card. The HSV checks the gain for span by placing 2.5 volts into the 0-5 volt analog input. Finally, BAV is a measurement of the voltage of one of the four 12-volt batteries.

During the next reporting period, the majority of the six remaining platforms will be installed on location. Data check using ground truth will be made, as well as a preliminary system evaluation to date.

e. No significant scientific results have been found to date.

f. Publications: None

g. Recommendations: None

h. Changes in Standing Order Forms: NA

i. ERTS Image Descriptor Forms: NA

j. No changes were made in Data Request forms during the reporting period.

k. The first platform installed (No. 6241) is operating normally, giving what appears to be excellent data.

READY
LIST

WLFCRP 12:05 CSS FRI.03/30/73

100 6241 WOLF CREEK PASS

110 DATE	HHMM	SS	C	TEM	TVO	TVO	TVO	PCP	TVO	HSV	BAV
120				C				IN.	V	V	V
130 MAR 20 73	0236	29	7	0.4	0.0	0.0	0.0	0.8	0.0	2.5	11.7
140 MAR 20 73	0240	03	7	0.4	0.0	0.0	0.0	0.8	0.0	2.5	11.7
150 MAR 20 73	0243	36	7	0.1	0.0	0.0	0.0	0.8	0.0	2.5	11.7
160 MAR 27 73	0453	40	7	-8.9	0.0	0.0	0.0	2.2	0.0	2.5	12.3
170 MAR 27 73	0501	06	7	-8.6	0.0	0.0	0.0	2.2	0.0	2.5	12.2
180 MAR 28 73	0318	19	7	-8.0	0.0	0.0	0.0	2.5	0.0	2.5	12.3
190 MAR 28 73	0320	09	7	-7.6	0.0	0.0	0.0	2.5	0.0	2.5	12.3
200 MAR 28 73	0321	58	7	-7.6	0.0	0.0	0.0	2.5	0.0	2.5	12.3
210 MAR 28 73	0323	47	7	-7.6	0.0	0.0	0.0	2.5	0.0	2.5	12.3
220 MAR 28 73	0325	36	7	-7.6	0.0	0.0	0.0	2.5	0.0	2.5	12.3
230 MAR 28 73	0500	40	7	-7.3	0.0	0.0	0.0	2.5	0.0	2.5	12.2
240 MAR 28 73	0502	30	7	-7.3	0.0	0.0	0.0	2.5	0.0	2.5	12.2
250 MAR 28 73	0504	20	7	-7.3	0.0	0.0	0.0	2.5	0.0	2.5	12.2
260 MAR 28 73	0506	10	7	-7.3	0.0	0.0	0.0	2.5	0.0	2.5	12.2
270 MAR 28 73	0508	00	7	-7.3	0.0	0.0	0.0	2.5	0.0	2.5	12.2
280 MAR 28 73	1554	18	7	-6.3	0.0	0.0	0.0	2.8	0.0	2.5	12.2
290 MAR 28 73	1556	08	7	-6.3	0.0	0.0	0.0	2.8	0.0	2.5	12.2
300 MAR 28 73	1557	58	7	-6.3	0.0	0.0	0.0	2.8	0.0	2.5	12.2
310 MAR 28 73	1735	22	7	-4.7	0.0	0.0	0.0	2.8	0.0	2.5	12.2
320 MAR 28 73	1737	09	7	-5.1	0.0	0.0	0.0	2.8	0.0	2.5	12.2
330 MAR 28 73	1738	55	7	-5.1	0.0	0.0	0.0	2.8	0.0	2.5	12.2
340 MAR 28 73	1740	42	7	-5.1	0.0	0.0	0.0	2.8	0.0	2.5	12.2
350 MAR 28 73	1742	29	7	-5.1	0.0	0.0	0.0	2.8	0.0	2.5	12.2
360 MAR 28 73	1744	15	7	-5.4	0.0	0.0	0.0	2.9	0.0	2.5	12.2
370 MAR 29 73	0323	34	7	-8.3	0.0	0.0	0.0	3.2	0.0	2.5	12.2
380 MAR 29 73	0325	24	7	-8.3	0.0	0.0	0.0	3.2	0.0	2.5	12.2
390 MAR 29 73	0327	14	7	-8.6	0.0	0.0	0.0	3.2	0.0	2.5	12.2
400 MAR 29 73	0329	04	7	-8.6	0.0	0.0	0.0	3.2	0.0	2.5	12.2
410 MAR 29 73	0330	54	7	-8.6	0.0	0.0	0.0	3.2	0.0	2.5	12.2
420 MAR 29 73	0506	36	7	-8.9	0.0	0.0	0.0	3.3	0.0	2.5	12.2
430 MAR 29 73	0508	26	7	-8.9	0.0	0.0	0.0	3.3	0.0	2.5	12.2
440 MAR 29 73	0510	17	7	-8.9	0.0	0.0	0.0	3.3	0.0	2.5	12.2
450 MAR 29 73	0512	08	7	-8.9	0.0	0.0	0.0	3.3	0.0	2.5	12.2
460 MAR 29 73	0513	59	7	-8.9	0.0	0.0	0.0	3.3	0.0	2.5	12.2
470 MAR 29 73	1558	58	7	-7.6	0.0	0.0	0.0	3.5	0.0	2.5	12.2
480 MAR 29 73	1600	49	7	-7.6	0.0	0.0	0.0	3.5	0.0	2.5	12.2
490 MAR 29 73	1602	40	7	-7.6	0.0	0.0	0.0	3.5	0.0	2.5	12.2
500 MAR 30 73	0329	36	7	-10.2	0.0	0.0	0.0	3.8	0.0	2.5	12.2
510 MAR 30 73	0331	27	7	-10.2	0.0	0.0	0.0	3.8	0.0	2.5	12.2
520 MAR 30 73	0333	18	7	-10.2	0.0	0.0	0.0	3.8	0.0	2.5	12.2
530 MAR 30 73	0335	08	7	-10.2	0.0	0.0	0.0	3.8	0.0	2.5	12.2
540 MAR 30 73	0336	59	7	-10.2	0.0	0.0	0.0	3.8	0.0	2.5	12.2
550 MAR 30 73	0511	36	7	-10.9	0.0	0.0	0.0	3.8	0.0	2.5	12.2
560 MAR 30 73	0513	28	7	-10.9	0.0	0.0	0.0	3.8	0.0	2.5	12.2
570 MAR 30 73	0515	19	7	-10.9	0.0	0.0	0.0	3.8	0.0	2.5	12.2
580 MAR 30 73	0517	11	7	-10.9	0.0	0.0	0.0	3.8	0.0	2.5	12.2
590 MAR 30 73	0519	03	7	-11.2	0.0	0.0	0.0	3.8	0.0	2.5	12.2

READY
OFF

CSS 440 - OFF AT 12:07